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E72-10074

CR-128089

Title: Structural and Lithologic Study of Northern Coast Range and Sacramento Valley, California

Principal Investigator: Ernest I. Rich
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Proposal No. SR042

GSFC Identification No.: UN217

This project has not received nor was it scheduled to receive, ERTS-1 data during this reporting period. Consequently no results, using ERTS data, can be reported.

During the reporting period, careful analysis of several sets of imagery, supplied by NASA Ames Research Center U-2 Earth Resources Aircraft Project, has been carefully analyzed for information that should prove useful for the ERTS investigation. These sets of imagery covered only a segment of the southern part of the project area, but indicate that gross rock-types can be discriminated on the basis of photographic tone and texture.

No image enhancement nor densitometer work was done on the imagery. At the present known, or suspected, geologic association of the various rock types proved most helpful. This kind of interpretation will be continued and, where appropriate, will be augmented by image enhancement or densitometry.

Imagery for requested underflight was not received in sufficient time for any but cursory examination; however, work is in progress on this imagery and the results will be reported later.

Since no ERTS-1 data has been received by the Principal Investigator, no Data Analysis Plan can be prepared.

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STUDY OF NORTHERN COAST RANGE AND
SACRAMENTO VALLEY, CALIFORNIA Progress
Report E.I. Rich (Stanford Univ.) [1972]

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